

Novaset® 4222/40 TEMP RST

High quality low-migration gloss coating especially for frozen food packaging

Water-based coating for sheetfed offset

Product features

- Novaset® 4222/40 TEMP RST is an extremely low-odour and low-migration water-based gloss coating which has been developed specially for the coating of the outer of frozen food packaging. The coating offers very fast drying and superior rub protection.
- Furthermore we can confirm that Novaset 4222/40 TEMP RST is suitable for food packaging used in microwave and backing ovens up to 220 °C for which we hold a certificate issued by ISEGA institute.
- Further advantages of Novaset® 4222/40 TEMP RST are superior anti-sealing and stacking properties as well as good gloss.
- Depending on the used substrate Novaset® 4222/40 TEMP RST is also suitable for double-sided coating, we recommend carrying out your own tests before starting a print run.
- Novaset® 4222/40 TEMP RST is particularly suited for the production of packaging that complies with the requirements of the EU-regulation 1935/2004 and 2023/2006 as well as with the Swiss Ordinance 817.023.21. Mineral oil is not used as an intentional formulation component of this coating.

Advantages of Novaset® 4222/40 TEMP RST

- Extremely low-migration and low-odour.
- Suitable for indirect contact with solid and fatty food.
- Complies with the requirements for water-based coatings for food packaging.
- Suitable for single-side PE laminated substrates.
- High wet blocking resistance.
- Suitable for food packaging heated up to 220 °C in microwave and backing ovens.
- Superior rub protection.
- Very good anti-sealing properties.

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Printing properties											
Drying	Gloss effect	Rub protection	Anti-Sealing	Suitability for double-sided application	Hot foil stamping	Barrier properties	Blister ability	Wet blocking resistance	Slip	Glueability	
Novaset® 4222/40 TEMP RST	7	4	7	7	5	7	-	-	6	4	7
1 = Characteristic weakly expressed 7 = Characteristic strongly expressed											
<i>The assessment of the product properties was made under standardised printing conditions. In individual cases, under special conditions, as in printing with very heavy coverage of coating, the classification of certain properties may be different.</i>											

Product code	VP26-01CD-#### Final 4 digits relate to pack size.
Pack sizes	25 kg (10J1), 125 kg (10MA), 220 kg (10NF), 1000 kg (10U0)
Substrates	Very well suited for coated paper and boards as well as low-absorbent substrates.
Application	Sheetfed coating units
Film weight	3 – 6 g/m ² wet application
Drying	Physical, forced with hot air-dryer and IR-dryer
Viscosity	40 s / 4 mm DIN cup / 20°C
Cleaning	Please clean up machine and equipment immediately with water.
Remarks	Stir well before use! Only use coatable printing inks! Resistance against alcohol and alkali required.
Storage	Protect against frost, heat and direct sunlight. Storage in original packaging at 5° to 30° Celsius.

You are welcome to contact us for further information.

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Special notes

In order to preserve low-odour and low-migration properties, no additives such as retarders, defoamers or others may be added to the coating. An exemption to this rule is the addition of water to adjust the viscosity. It must be generally noted, that for the production of food packaging only materials suitable for this area of application are used.

In cases where a non-low-migration water-based coating has been used before printing with Novaset® 4222/40 TEMP RST, the printing press should be thoroughly cleaned taking care to remove all coating residues. For this purpose, if necessary, only washes suitable for low-migration printing should be used, taking into account the manufacturer's recommendations for use. Following the wash cycle, thorough rinsing with clean water is essential.

Certificate

Novaset® 4222/40 TEMP RST is ISEGA-certificated.
We will gladly provide you with a copy of the certificate upon request.

Further information

For further information please refer to our Technical Reviews "Processing guideline water-based coatings", "Resistance requirements for surface finishing", "Good manufacturing practice food packages" and the EuPIA guideline "Printing inks for food packaging".

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